# Part 1. Classification 分类

## Chapter 1. Machine learning basics 机器学习基础

1、机器学习：利用计算机来彰显数据背后的真正含义。

2、机器学习类型：

3、各类学习的用途：

4、开发机器学习应用程序步骤：

## Chapter 2. Classifying with k-Nearest Neighbors k-近邻算法

## Chapter 3. Splitting datasets one feature at a time: decision trees

## Chapter 4. Classifying with probability theory: naïve Bayes

## Chapter 5. Logistic regression

## Chapter 6. Support vector machines

## Chapter 7. Improving classification with the AdaBoost meta-algorithm

# Part 2. Forecasting Numeric Values With Regression

## Chapter 8. Predicting numeric values: regression

## Chapter 9. Tree-based regression

# Part 3. Unsupervised Learning

## Chapter 10. Grouping unlabeled items using k-means clustering

## Chapter 11. Association analysis with the Apriori algorithm

## Chapter 12. Efficiently finding frequent itemsets with FP-growth

# Part 4. Additional Tools

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